

## CLAIMS

### What Is Claimed Is:

1. Raw powder for sintering, comprising Fe as its primary component and also comprising 0.8 wt% or less of C, 0.05 to 1.0 wt% of Si, 1.0 wt% or less of Mn, and 1.0 to 10.0 wt% or less of Ni, wherein  
the mean grain size of the raw powder for sintering is 8.5  $\mu\text{m}$  or less.
2. The raw powder for sintering according to claim 1, further containing at least one element selected from among 2.0 wt% or less of Cr, 3.0 wt% or less of Mo, 3.0 wt% or less of Cu, 0.15 to 1.0 wt% of Nb, and 0.05 wt% or less of Ti.
3. The raw powder for sintering according to claim 1, wherein the raw powder for sintering is manufactured by a prealloy method.
4. Granulated powder for sintering, obtained by granulating the raw powder for sintering according to claim 1 by means of a binder.
5. The granulated powder for sintering according to claim 4, wherein the mean grain size of the granulated powder for sintering is 10 to 150  $\mu\text{m}$ .
6. A sintered compact with a relative density of 97% or greater, manufactured using the raw powder for sintering according to claim 1.
7. A sintered compact with a specific gravity of 97% or greater, manufactured using the granulated powder for sintering according to claim 4.
8. A method for manufacturing a sintered compact, comprising a step in which the raw powder for sintering according to claim 1 is first molded and then sintered under specific temperature conditions.
9. A method for manufacturing a sintered compact, comprising a step in which the granulated powder for sintering according to claim 4 is first molded and then sintered under specific temperature conditions.